

s/n: 09/888,509  
date: 7-25-03

|  |                          |               |
|--|--------------------------|---------------|
| 1 ("6069358").PN.  | USPAT; US-PGPUB; IBM_TDB | 9/20/02 9:32  |
| 1 ("5370768").PN.  | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:12 |
| 4 ("4530736"   "4813762"   "5079130"   "5286338").PN.                              | USPAT                    | 9/19/02 16:01 |
| 39 4813762.URPN.   | USPAT                    | 9/19/02 16:06 |
| 7 5345336.URPN.  | USPAT                    | 9/19/02 16:10 |
| 1 4764929.PN.  | USPAT                    | 9/19/02 16:31 |
| 39 4813762.URPN.   | USPAT                    | 9/19/02 16:31 |
| 11 5079130.URPN.   | USPAT                    | 9/19/02 16:32 |
| 4 ("4737447"   "4966831"   "5079130"   "5225935").PN.                              | USPAT                    | 9/19/02 16:37 |
| 123 359/626.ccls.  | USPAT; US-PGPUB; IBM_TDB | 9/19/02 16:48 |
| 17024 focal adj plane  | USPAT; US-PGPUB; IBM_TDB | 9/19/02 16:48 |
| 285 lens near3 diffractive near3 refractive  | USPAT; US-PGPUB; IBM_TDB | 9/19/02 16:49 |
| 30 359/626.ccls. and (focal adj plane)   | USPAT; US-PGPUB; IBM_TDB | 9/19/02 16:49 |
| 1 (lens near3 diffractive near3 refractive) and (359/626.ccls. and (focal adj      | USPAT; US-PGPUB; IBM_TDB | 9/19/02 16:49 |
| 22 ("4323925"   "4689652"   "4694185"   "4970381"   "4993799"   "4994664"          | USPAT                    | 9/19/02 16:52 |
| 4 5734155.URPN.  | USPAT                    | 9/19/02 17:11 |
| 22 ("4323925"   "4689652"   "4694185"   "4970381"   "4993799"   "4994664"          | USPAT                    | 9/19/02 17:13 |
| 22 ("4323925"   "4689652"   "4694185"   "4970381"   "4993799"   "4994664"          | USPAT                    | 9/19/02 17:46 |
| 33 4323925.URPN.   | USPAT                    | 9/19/02 17:46 |
| 8 5370768.URPN.  | USPAT                    | 9/19/02 18:02 |
| 4 5536455.URPN.  | USPAT                    | 9/19/02 18:03 |
| 0 6402996.URPN.  | USPAT                    | 9/19/02 18:03 |
| 0 5800907.URPN.  | USPAT                    | 9/19/02 18:03 |
| 1 396/113.ccls. and (lens near3 diffractive near3 refractive)                      | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:21 |
| 1 359/647.ccls. and (lens near3 diffractive near3 refractive)                      | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:21 |
| 12 359/558.ccls. and (lens near3 diffractive near3 refractive)                     | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:21 |
| 39 4813762.URPN.   | USPAT                    | 9/19/02 18:32 |
| 1861 fill adj factor   | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:34 |
| 1098 micro adj lens  | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:34 |
| 17024 focal adj plane  | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:34 |
| 12 (fill adj factor) and (micro adj lens) and (focal adj plane)                    | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:37 |
| 2725 diffractive and refractive  | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:37 |
| 4 (micro adj lens) and (focal adj plane) and ((fill adj factor) and (micro adj     | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:37 |
| 0 colandene.in.  | US-PGPUB                 | 9/20/02 9:32  |
| 1 ("5691836").PN.  | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:10  |
| 4520 focal with plane with detect\$4   | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:39  |
| 15 (photodetect\$4 or photo\$detect\$4 or (photo adj detect\$4)) with fill with op | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:19  |
| 2 (photodetect\$4 or photo\$detect\$4 or (photo adj detect\$4)) with (optic\$4 n   | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:21  |
| 60 optic\$4 near2 fill near2 factor  | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:22  |
| 11 (optic\$4 near2 fill near2 factor) and detect                                   | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:22  |
| 2522 focal with plane with (optic\$ or lens) with detect\$4                        | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:35  |
| 2550 focal with plane with (optic\$3 or lens) with detect\$4                       | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:36  |
| 4 focal with plane with (optic\$3 or lens) with detect\$4 with fill                | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:37  |
| 396 focal adj plane adj detect\$4  | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:40  |
| 859 (359/626, 619, 620, 621).CCLS.   | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:44  |
| 96 (focal adj plane adj detect\$4) with (optic or lens\$2 or microlens)            | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:45  |
| 35 (focal adj plane adj detect\$4) with (optic or lens\$2 or microlens) and subs   | USPAT; US-PGPUB; IBM_TDB | 3/4/03 15:24  |
| 296 beam with fill with optic\$3   | USPAT; US-PGPUB; IBM_TDB | 3/4/03 16:06  |
| 1 ("5497269").PN.  | USPAT; US-PGPUB; IBM_TDB | 3/4/03 16:07  |
| 3 (("6040591") or ("6583438") or ("6188094")).PN.                                  | USPAT; US-PGPUB; IBM_TDB | 7/27/03 18:09 |
| 1665 (359/619,819).CCLS.   | USPAT; US-PGPUB; IBM_TDB | 7/27/03 18:09 |
| 216 2 and (microlens or micro\$lens or (micro adj lens))                           | USPAT; US-PGPUB; IBM_TDB | 7/27/03 18:10 |
| 1 3 and (photosensor or photo\$2sensor or (photo adj sensor))                      | USPAT; US-PGPUB; IBM_TDB | 7/27/03 18:10 |
| 216 2 and (microlens or micro\$2lens or (micro adj lens))                          | USPAT; US-PGPUB; IBM_TDB | 7/27/03 18:11 |
| 191 5 and imag\$5  | USPAT; US-PGPUB; IBM_TDB | 7/27/03 18:47 |
| 132 6 and substrate  | USPAT; US-PGPUB; IBM_TDB | 7/27/03 18:12 |

39 7 and focal with plane  
3 4999006.URPN.  
73 5 and refract\$5 and diffract\$5  
68 10 and imag\$5

USPAT; US-PGPUB; IBM\_TDB 7/27/03 18:12  
USPAT 7/27/03 18:16  
USPAT; US-PGPUB; IBM\_TDB 7/27/03 18:41  
USPAT; US-PGPUB; IBM\_TDB 7/27/03 18:47

S/N: 09/888, 589.

Date: 3-4-03

|  |                          |              |
|--|--------------------------|--------------|
| 1 ("5691836").PN.  | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:10 |
| 4520 focal with plane with detect\$4                         | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:39 |
| (photodetect\$4 or photo\$detect\$4 or (photo adj            |                          |              |
| 15 detect\$4)) with fill with optic\$3                       | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:19 |
| (photodetect\$4 or photo\$detect\$4 or (photo adj            |                          |              |
| 2 detect\$4)) with (optic\$4 near2 fill near2 factor)        | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:21 |
| 60 optic\$4 near2 fill near2 factor                          | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:22 |
| 11 19 and detect   | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:22 |
| 2522 focal with plane with (optic\$ or lens) with detect\$4  | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:35 |
| 2550 focal with plane with (optic\$3 or lens) with detect\$4 | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:36 |
| focal with plane with (optic\$3 or lens) with detect\$4 with |                          |              |
| 4 fill   | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:37 |
| 396 focal adj plane adj detect\$4                            | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:40 |
| 859 (359/626, 619, 620, "621").CCLS.                         | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:44 |
| (focal adj plane adj detect\$4) with (optic or lens\$2 or    |                          |              |
| 96 microlens)  | USPAT; US-PGPUB; IBM_TDB | 3/4/03 13:45 |
| (focal adj plane adj detect\$4) with (optic or lens\$2 or    |                          |              |
| 35 microlens) and substrate                                  | USPAT; US-PGPUB; IBM_TDB | 3/4/03 15:24 |
| 296 beam with fill with optic\$3                             | USPAT; US-PGPUB; IBM_TDB | 3/4/03 16:06 |
| 1 ("5497269").PN.  | USPAT; US-PGPUB; IBM_TDB | 3/4/03 16:07 |

Serial Number 09/888,509  
9/20/02

| Hits  | Search Text   | Database                 | Date/Time     |
|-------|---|--------------------------|---------------|
| 1     | ("6069358").PN.                                     | USPAT; US-PGPUB; IBM_TDB | 9/20/02 9:32  |
| 1     | ("5370768").PN.                                     | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:12 |
| 4     | ("4530736"   "4813762"   "5079130"   "5286338").PN. | USPAT                    | 9/19/02 16:01 |
| 39    | 4813762.URPN.                                       | USPAT                    | 9/19/02 16:06 |
| 7     | 5345336.URPN.                                       | USPAT                    | 9/19/02 16:10 |
| 1     | 4764929.PN.   | USPAT                    | 9/19/02 16:31 |
| 39    | 4813762.URPN.                                       | USPAT                    | 9/19/02 16:31 |
| 11    | 5079130.URPN.                                       | USPAT                    | 9/19/02 16:32 |
| 4     | ("4737447"   "4966831"   "5079130"   "5225935").PN. | USPAT                    | 9/19/02 16:37 |
| 123   | 359/626.ccls.                                       | USPAT; US-PGPUB; IBM_TDB | 9/19/02 16:48 |
| 17024 | focal adj plane                                     | USPAT; US-PGPUB; IBM_TDB | 9/19/02 16:48 |
| 285   | lens near3 diffractive near3 refractive             | USPAT; US-PGPUB; IBM_TDB | 9/19/02 16:49 |
| 30    | 359/626.ccls. and (focal adj plane)                 | USPAT; US-PGPUB; IBM_TDB | 9/19/02 16:49 |
|       | (lens near3 diffractive near3 refractive) and       |                          |               |
| 1     | (359/626.ccls. and (focal adj plane))               | USPAT; US-PGPUB; IBM_TDB | 9/19/02 16:49 |
|       | ("4323925"   "4689652"   "4694185"   "4970381"      |                          |               |
|       | "4993799"   "4994664"   "4998806"   "5081347"       |                          |               |
|       | "5113067"   "5124843"   "5130531"   "5132251"       |                          |               |
|       | "5144484"   "5153772"   "5161040"   "5161059"       |                          |               |
|       | "5162644"   "5191219"   "5210400"   "5340978"       |                          |               |
| 22    | "5352886"   "5451766").PN.                          | USPAT                    | 9/19/02 16:52 |
| 4     | 5734155.URPN.                                       | USPAT                    | 9/19/02 17:11 |
|       | ("4323925"   "4689652"   "4694185"   "4970381"      |                          |               |
|       | "4993799"   "4994664"   "4998806"   "5081347"       |                          |               |
|       | "5113067"   "5124843"   "5130531"   "5132251"       |                          |               |
|       | "5144484"   "5153772"   "5161040"   "5161059"       |                          |               |
|       | "5162644"   "5191219"   "5210400"   "5340978"       |                          |               |
| 22    | "5352886"   "5451766").PN.                          | USPAT                    | 9/19/02 17:13 |
|       | ("4323925"   "4689652"   "4694185"   "4970381"      |                          |               |
|       | "4993799"   "4994664"   "4998806"   "5081347"       |                          |               |
|       | "5113067"   "5124843"   "5130531"   "5132251"       |                          |               |
|       | "5144484"   "5153772"   "5161040"   "5161059"       |                          |               |
|       | "5162644"   "5191219"   "5210400"   "5340978"       |                          |               |
| 22    | "5352886"   "5451766").PN.                          | USPAT                    | 9/19/02 17:46 |
| 33    | 4323925.URPN.                                       | USPAT                    | 9/19/02 17:46 |
| 8     | 5370768.URPN.                                       | USPAT                    | 9/19/02 18:02 |
| 4     | 5536455.URPN.                                       | USPAT                    | 9/19/02 18:03 |
| 0     | 6402996.URPN.                                       | USPAT                    | 9/19/02 18:03 |
| 0     | 5800907.URPN.                                       | USPAT                    | 9/19/02 18:03 |
|       | 396/113.ccls. and (lens near3 diffractive near3     |                          |               |
| 1     | refractive)   | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:21 |
|       | 359/647.ccls. and (lens near3 diffractive near3     |                          |               |
| 1     | refractive)   | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:21 |
|       | 359/558.ccls. and (lens near3 diffractive near3     |                          |               |
| 12    | refractive)   | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:21 |

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|---|--------------------------|---------------|
| 39 4813762.URPN.  | USPAT                    | 9/19/02 18:32 |
| 1861 fill adj factor                                    | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:34 |
| 1098 micro adj lens                                     | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:34 |
| 17024 focal adj plane                                   | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:34 |
| (fill adj factor) and (micro adj lens) and (focal adj   |                          |               |
| 12 plane)   | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:37 |
| 2725 diffractive and refractive                         | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:37 |
| (micro adj lens) and (focal adj plane) and ((fill adj   |                          |               |
| factor) and (micro adj lens) and (focal adj plane)) and |                          |               |
| 4 (diffractive and refractive)                          | USPAT; US-PGPUB; IBM_TDB | 9/19/02 18:37 |